



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

February 4, 2020

Andy Vachon  
Regulatory Specialist I  
Buckman Laboratories, Inc.  
1256 North McLean Blvd.  
Memphis, TN 38108

Subject: Notification per PRN 98-10 – Minor Updates to the Label  
Product Name: Busan 85  
EPA Registration Number: 1448-70  
Application Date: 01/07/2020  
Decision Number: 559366

Dear Mr. Vachon:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at [Heffernan.Aline@epa.gov](mailto:Heffernan.Aline@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "John Hebert".

John Hebert, Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs



# NOTIFICATION

1448-70

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/04/2020

## BUSAN<sup>®</sup> 85

### ACTIVE INGREDIENT(S)

Potassium dimethyldithiocarbamate..... 50.0%

### OTHER INGREDIENTS

..... 50.0%

TOTAL..... 100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID	
If in Eyes	<ul style="list-style-type: none"> <li>– Hold eye open and rinse slowly and gently with water for 15–20 minutes.</li> <li>– Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>– Call a poison control center or doctor for further treatment advice.</li> </ul>
If on Skin, Clothes	<ul style="list-style-type: none"> <li>– Take off contaminated clothing.</li> <li>– Rinse skin immediately with plenty of water for 15–20 minutes.</li> <li>– Call a poison control center or doctor for treatment advice.</li> </ul>
If Swallowed	<ul style="list-style-type: none"> <li>– Call poison control center or doctor immediately for treatment advice.</li> <li>– Have person sip a glass of water, if able to swallow.</li> <li>– Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>– Do not give anything by mouth to an unconscious person.</li> </ul>
If Inhaled	<ul style="list-style-type: none"> <li>– Move person to fresh air.</li> <li>– If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible.</li> <li>– Call a poison control center or doctor for further treatment advice.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment. You may also contact CHEMTREC at 1-703-741-5970 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

## Precautionary Statements

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Avoid contamination of food. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling. Wash thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Do not expose to extreme temperatures. Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at your EPA Regional Office for guidance.

### **CONTAINER DISPOSAL:**

#### **For all nonrefillable containers**

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying.

#### **Liquid residue removal statement for nonrefillable containers with capacity of 5 gals or less**

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for the later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

#### **Liquid residue removal statement for nonrefillable containers with capacity of >5 gals**

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

#### **For all nonrefillable containers**

Then offer for recycling if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.

#### **For refillable containers**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

#### **For containers larger than 55 gallons:**

To clean the container prior to refilling or disposal, use a pressure wash as follows: Empty the remaining contents into application equipment or a mix tank. Use a pressure wash system that rinses all interior sides with water and that is rated at >40 psi and >120°F. Pressure wash the container for a length of time that ensures that a minimum 25% of the container volume of water is used. During the pressure wash, ensure that the container valve is left open for continuous draining. Collect the rinsate and empty into application equipment or a mix tank or store rinsate for later use or disposal. Allow container to drain for 10 minutes after pressure wash is completed.

#### **For containers 55 gallons and smaller:**

To clean the container prior to refilling or disposal, use a triple rinse wash as follows: Empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously. Pour or pump rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this rinsing procedure two more times.

Do not discharge rinsate containing this product unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge rinsate containing this product to sewer systems without prior approval from the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Batch code: _____	
<b>Sold by</b>	<b>Buckman Laboratories, Inc.</b> 1256 North McLean Blvd., Memphis, TN 38108, USA <b>(901) 278-0330 or 1-800-282-5626</b>
<b>EPA Est. No.</b>	<b>1448-TN-1</b>
<b>EPA Reg. No.</b>	<b>1448-70</b>
<b>Product Weight</b>	<b>10.3 lbs/gal 1.23 kg/l</b>
<b>Last Revision</b> <b>01/07/2020</b>	

Net contents are marked on the container.

## Directions for Use

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**COOLING WATER SYSTEMS:** BUSAN 85 is used to inhibit the growth of microorganisms in industrial, commercial and institutional cooling water systems. In noticeably fouled systems, BUSAN 85 should be added daily at a rate of 2.0 to 3.0 fl. oz. of BUSAN 85 per 1000 gallons of system water (20-30 ppm) until control is evident. Subsequent additions of BUSAN 85 should be made to the system as needed at a rate of 1.0 to 3.0 fl. oz. of BUSAN 85 per 1000 gallons of system water (10-30 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

**INDUSTRIAL AIR WASHER SYSTEMS:** BUSAN 85 is used to inhibit the growth of microorganisms in industrial air washer systems. In noticeably fouled systems, BUSAN 85 should be added at a rate of 4.7 to 6.0 fl. oz. of BUSAN 85 per 1000 gallons of water (47-60 ppm) until control is evident. Subsequent additions of BUSAN 85 should be made to the system as needed at a rate of 3.5 to 6.0 fl. oz. of BUSAN 85 per 1000 gallons of water (35-60 ppm) to maintain control. The frequency of treatment depends upon the severity of the microbiological problem. For best results the system should be cleaned prior to treatment.

**PETROLEUM SECONDARY RECOVERY WATERFLOODING OPERATIONS:** BUSAN 85 is used to control sulfate-reducing bacteria in petroleum secondary recovery waterflooding operations at dosages of 0.83 to 1.66 fl. oz. of BUSAN 85 per 1000 gallons of water treated. Technical assistance in applying BUSAN 85 to a particular secondary recovery system is available upon request when a description of the problem is provided.

**PULP AND PAPER MANUFACTURING:** BUSAN 85 is used to control bacterial and fungal slime in pulp and paper mill systems. Recommended treatment rates are 0.25 to 1.00 lb. of BUSAN 85 per ton of pulp or paper produced for periods of 2-6 hours out of each 8, each 12, or each 24 hours. Required concentrations and frequency of treatment will depend on the rate of slime accretion. BUSAN 85 is added to the white water or stock going to the fan pump, and, if necessary, to fresh water, slush pulp, broke, or other machine furnish components. To inhibit the growth of bacteria and fungi in papermaking additives (including alum solutions, animal glue solutions, pigment slurries, coating formulations, and starch slurries and solutions) BUSAN 85 is added to these materials in concentrations of 50 to 400 ppm (weight/weight).

**DRILLING MUDS, COMPLETION FLUIDS:** BUSAN 85 is used to inhibit the growth of fungi and bacteria in water-based drilling muds, completion fluids, packer fluids, and other water-based drilling fluids containing starch, gums, sugars, or other organic materials. For these purposes BUSAN 85 is added at rates of 2.5 to 4.2 gallons per 100 barrels of fluid (0.06-0.10% by volume).

**WASTEWATER TREATMENT SYSTEMS:** BUSAN 85 may be used to control anaerobic bacteria, filamentous bacteria that cause bulking problems and other troublesome microorganisms in wastewater treatment systems and effluent. The quantity of BUSAN 85 required for control will vary with the severity of the problem. BUSAN 85 should be dosed to the system at the rate of 0.5 to 3.0 fl. oz. per 1000 gallons of wastewater (5-30 ppm) to various locations in the system to allow for mixing, every one to five days as needed for control; or fed continuously at the rate of 0.1 to 1.0 fl. oz. per 1000 gallons of wastewater flow (1-10 ppm) ahead of the problem area.

**INDUSTRIAL WATER PURIFICATION SYSTEMS:** BUSAN 85 is used to control microbiological fouling in industrial water purification systems including reverse osmosis systems, filters, clarifiers, and ion exchange equipment. For off-line treatment, BUSAN 85 should be fed at a concentration of 5.0 to 10.0 fl. oz. of BUSAN 85 to 1000 gallons of water (40-100 ppm) for 4 to 8 hours. For on-line maintenance treatment, dosing 1.0 to 2.0 fl. oz. per 1000 gallons of water (10-20 ppm) for 6 to 12 hours should be made once a week or as needed to maintain control. **Not intended for use in potable water systems. Not registered for this use in California.**